

Figur 1

The sequence diagram illustrates the primary structure of a protein, showing the reading frame and the locations of various domains and signal peptides.

**Signal Peptide:** S

**Domains:**

- S1:** 1-100
- S2:** 101-150
- S3:** 151-180
- S4:** 181-200
- L:** 201-220
- H1:** 221-250
- H2:** 251-280
- H3:** 281-310
- H4:** 311-340
- H5:** 341-370
- S5:** 371-400
- S6:** 401-430
- S7:** 431-460
- S8:** 461-490
- S9:** 491-520
- S10:** 521-550

**Other Features:**

- Hydrophobic Block:** A large blacked-out region between positions 100 and 200.
- Hydrophilic Block:** A large blacked-out region between positions 300 and 400.
- Hydrophobic Block:** A large blacked-out region between positions 500 and 600.

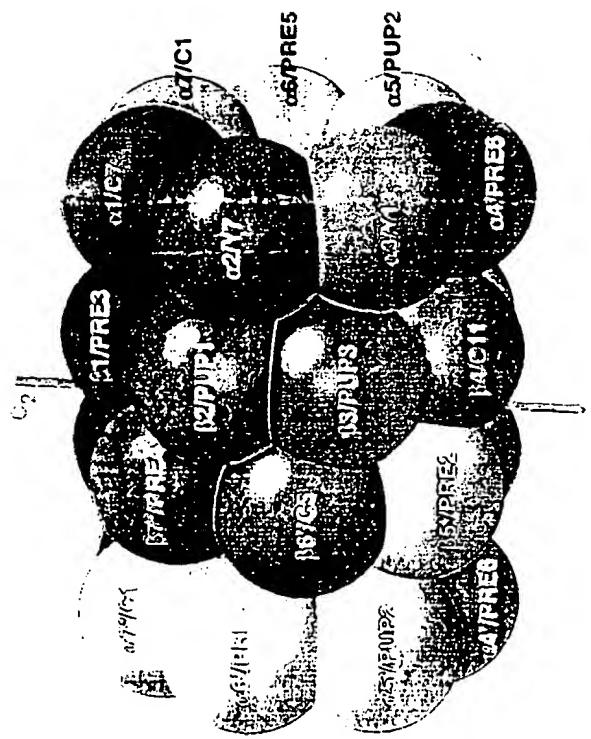
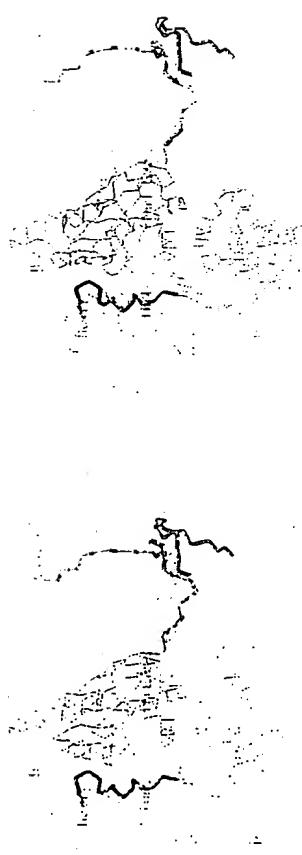
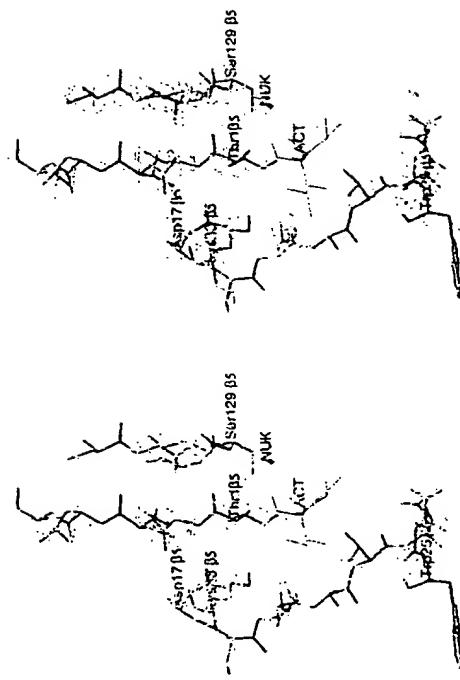


Figure 2

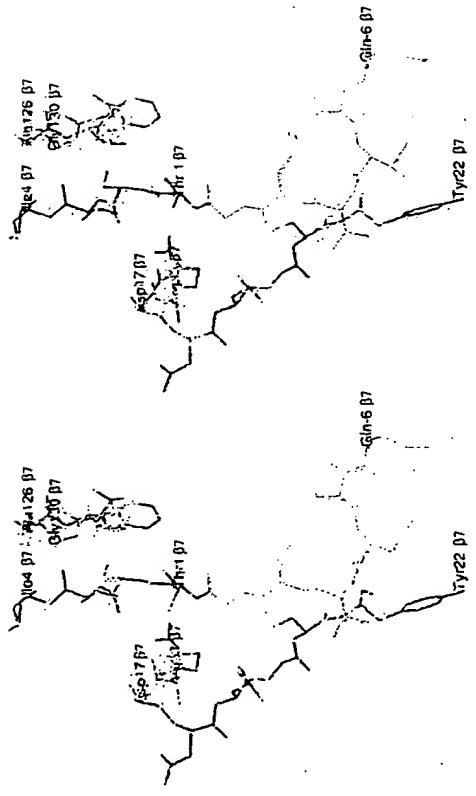
Figure 3





Klac map2

Figure 4a



pre4 map2

Figure 4b

Figure 5

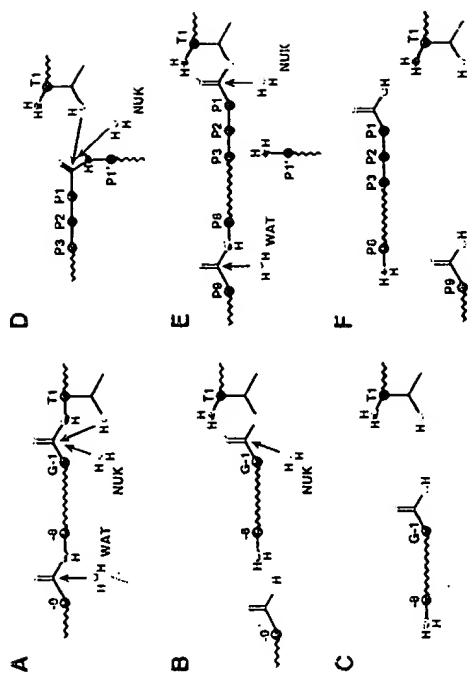


Figure 6a

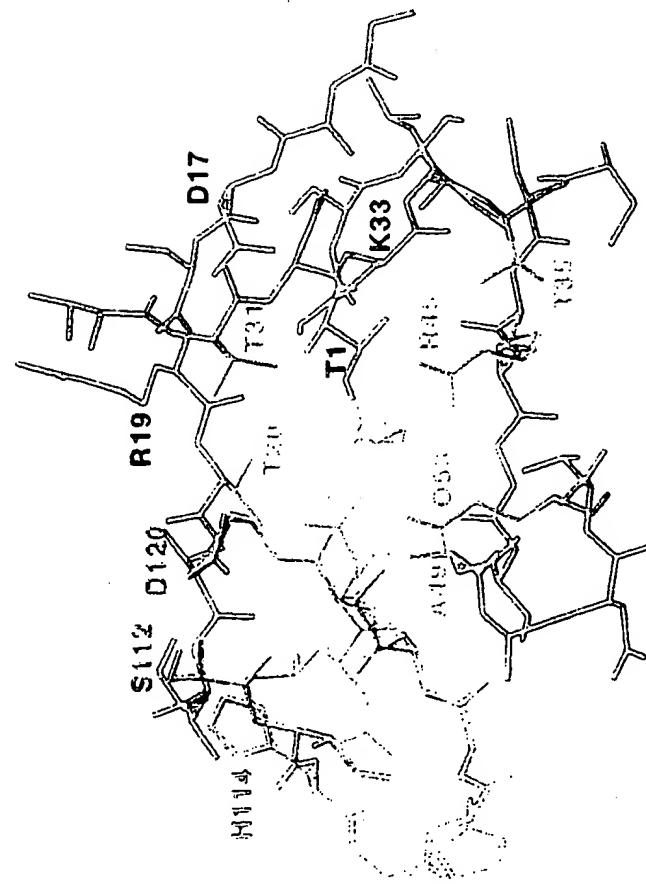
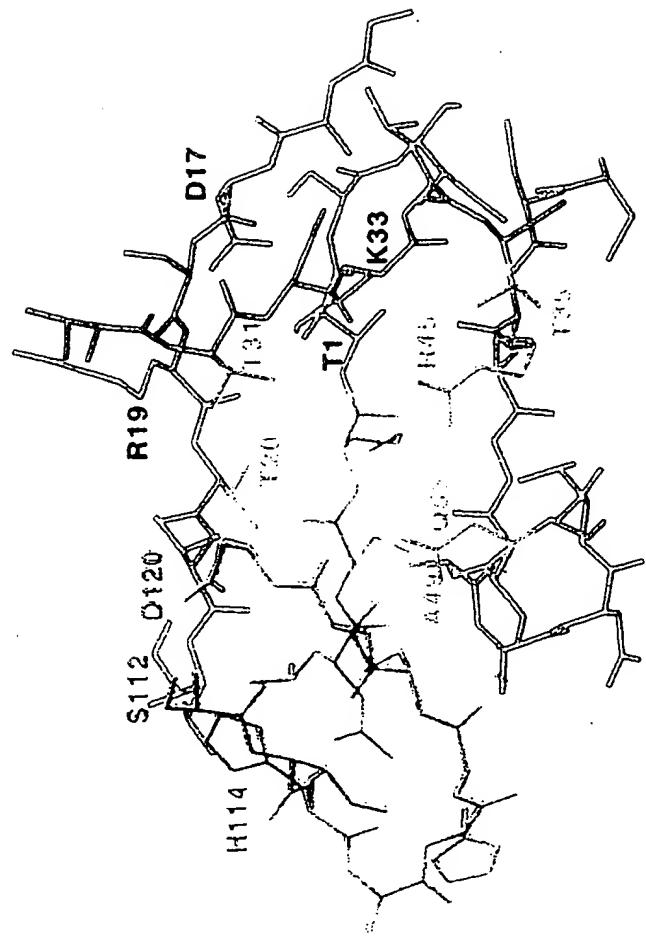
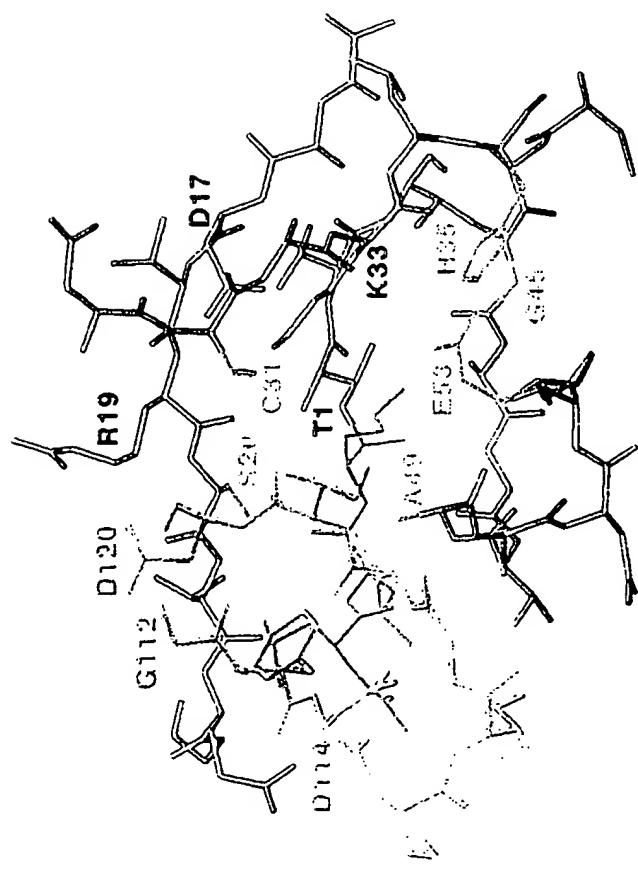
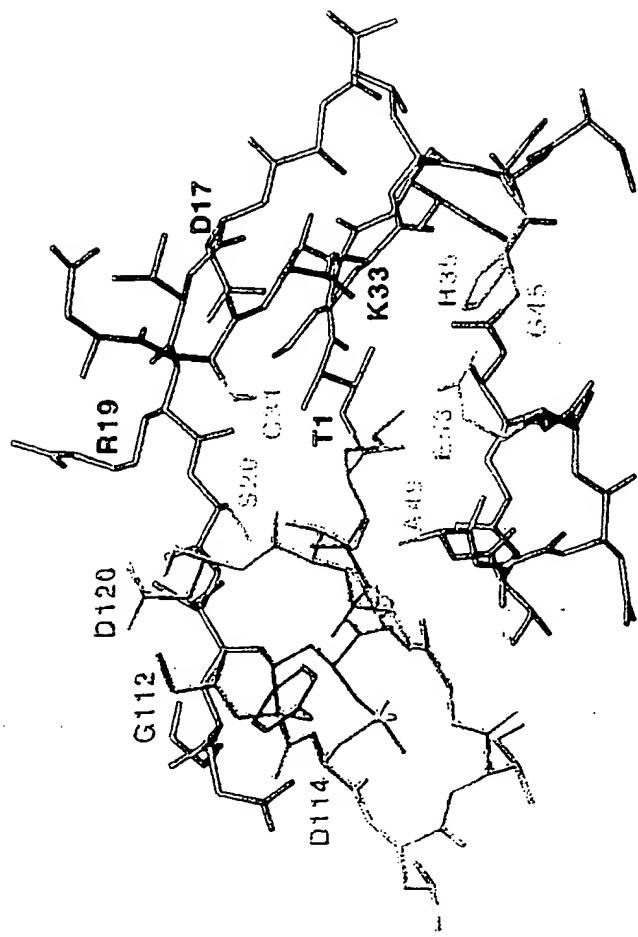


Figure 6b



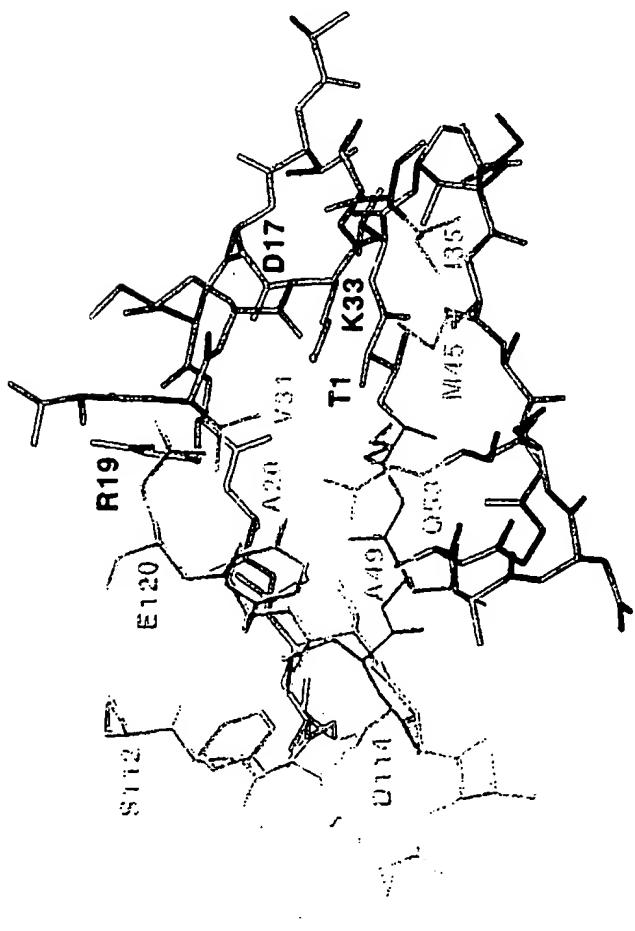
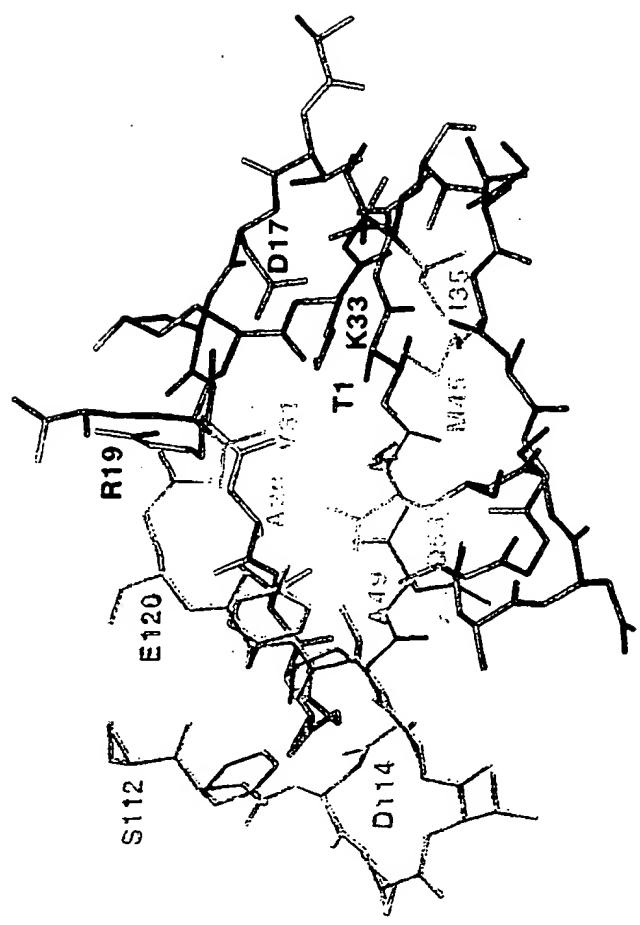


Figure 6c

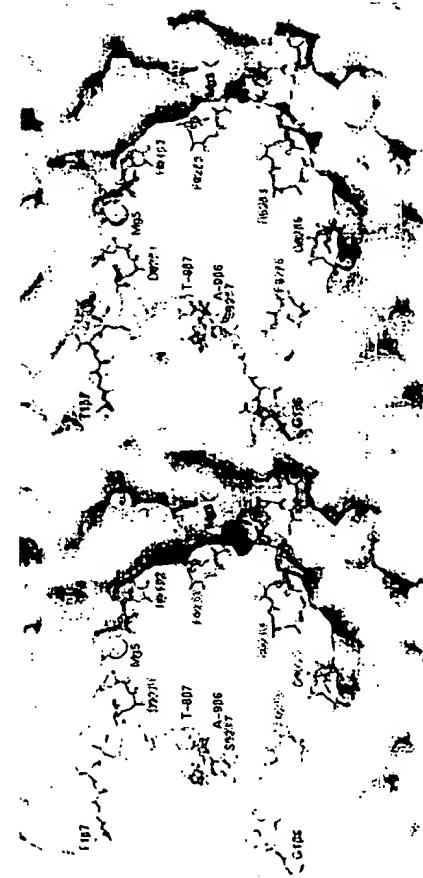
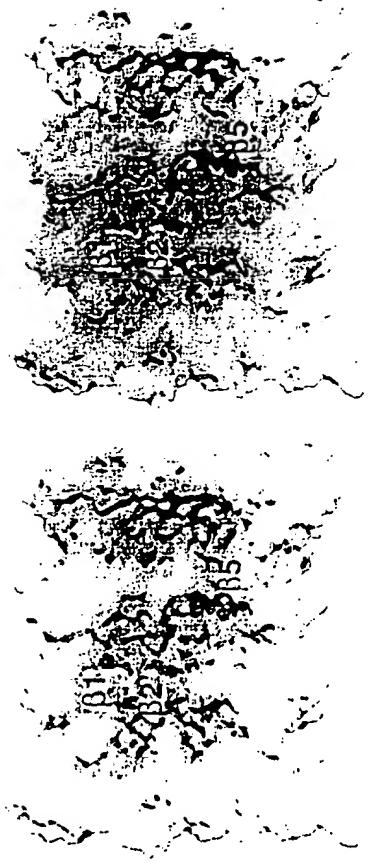


Figure 7



Figur 8